



[4910-13]

**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 97**

[Docket No. [31229](#); Amdt. No. [3831](#)]

**Standard Instrument Approach Procedures, and Takeoff Minimums and Obstacle Departure Procedures; Miscellaneous Amendments**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule.

**SUMMARY:** This rule establishes, amends, suspends, or removes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures (ODPs) for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

**DATES:** This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications

listed in the regulations is approved by the Director of the Federal Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**ADDRESSES:** Availability of matters incorporated by reference in the amendment is as follows:

**For Examination**

1. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001.

2. The FAA Air Traffic Organization Service Area in which the affected airport is located;

3. The office of Aeronautical Navigation Products, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:  
[http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

**Availability**

All SIAPs and Takeoff Minimums and ODPs are available online free of charge. Visit the National Flight Data Center at [nfdc.faa.gov](http://nfdc.faa.gov) to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

**FOR FURTHER INFORMATION CONTACT:** Thomas J. Nichols, Flight Procedures and Airspace Group, Flight Technologies and Procedures Division, Flight Standards Service, Federal Aviation Administration. Mailing Address: FAA Mike Monroney Aeronautical Center, Flight Procedures and Airspace Group, 6500 South MacArthur Blvd, Registry Bldg 29 Room 104, Oklahoma City, OK 73125. Telephone: (405) 954-4164.

**SUPPLEMENTARY INFORMATION:**

This rule amends Title 14 of the Code of Federal Regulations, Part 97 (14 CFR part 97), by establishing, amending, suspending, or removes SIAPS, Takeoff Minimums and/or ODPS. The complete regulatory description of each SIAP and its associated Takeoff Minimums or ODP for an identified airport is listed on FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR part 97.20. The applicable FAA forms are FAA Forms 8260-3, 8260-4, 8260-5, 8260-15A, and 8260-15B when required by an entry on 8260-15A.

The large number of SIAPs, Takeoff Minimums and ODPs, their complex nature, and the need for a special format make publication in the **Federal Register** expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference

are realized and publication of the complete description of each

SIAP, Takeoff Minimums and ODP listed on FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs, Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure, and the amendment number.

#### **Availability and Summary of Material Incorporated by Reference**

The material incorporated by reference is publicly available as listed in the ADDRESSES section.

The material incorporated by reference describes SIAPs, Takeoff Minimums and/or ODPS as identified in the amendatory language for part 97 of this final rule.

#### **The Rule**

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as Amended in the transmittal. Some SIAP and Takeoff Minimums and textual ODP amendments may have been issued previously by the FAA in a Flight Data Center (FDC) Notice to Airmen (NOTAM) as an emergency action of immediate flight safety relating directly to published aeronautical charts.

The circumstances that created the need for some SIAP and Takeoff Minimums and ODP amendments may require making them effective in less than 30 days. For the remaining SIAPs and Takeoff Minimums and ODPs, an effective date at least 30 days after publication is provided.

Further, the SIAPs and Takeoff Minimums and ODPs contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these SIAPs and Takeoff Minimums and ODPs, the TERPS criteria were applied to the conditions existing or anticipated at the affected airports. Because of the close and immediate relationship between these SIAPs, Takeoff Minimums and ODPs, and safety in air commerce, I find that notice and public procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C 553(d), good cause exists for making some SIAPs effective in less than 30 days.

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore--(1) is not a "significant regulatory action" under Executive Order 12866;(2) is not a "significant rule" under DOT Regulatory Policies and Procedures (44 FR 11034; February 26,1979) ; and (3)does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

**List of Subjects in 14 CFR part 97:**

Air Traffic Control, Airports, Incorporation by reference, Navigation (Air).

Issued in Washington, DC on **DECEMBER 14, 2018**.

Rick Domingo  
Executive Director, Flight Standards Service

## **ADOPTION OF THE AMENDMENT**

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) is amended by establishing, amending, suspending, or removing Standard Instrument Approach Procedures and/or Takeoff Minimums and Obstacle Departure Procedures effective at 0901 UTC on the dates specified, as follows:

### **Part 97—Standard Instrument Approach Procedures**

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(f), 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:



**Effective 31 January 2019**

Brooksville, FL, Brooksville-Tampa Bay Rgnl, RNAV (GPS) RWY 9, Amdt 1D  
Brooksville, FL, Brooksville-Tampa Bay Rgnl, RNAV (GPS) RWY 27, Amdt 1D  
Fort Madison, IA, Fort Madison Muni, RNAV (GPS) RWY 17, Amdt 1B  
Williamsburg, KY, Williamsburg-Whitley County, LOC RWY 20, Orig-C  
Williamsburg, KY, Williamsburg-Whitley County, RNAV (GPS) RWY 20, Amdt 1B  
Williamsburg, KY, Williamsburg-Whitley County, VOR RWY 20, Orig-D  
Romeo, MI, Romeo State, RNAV (GPS) RWY 18, Amdt 1C  
Romeo, MI, Romeo State, RNAV (GPS) RWY 36, Amdt 1D  
Fulton, MO, Elton Hensley Memorial, RNAV (GPS) RWY 36, Orig-A  
Glens Falls, NY, Floyd Bennett Memorial, ILS OR LOC RWY 1, Amdt 5A  
Harrisburg, PA, Harrisburg Intl, ILS OR LOC RWY 13, ILS RWY 13 CAT II, ILS RWY 13 CAT III, Amdt 2A  
Perkasie, PA, Pennridge, RNAV (GPS) RWY 8, Amdt 1D  
Perkasie, PA, Pennridge, RNAV (GPS) RWY 26, Orig-D  
Trenton, TN, Gibson County, Takeoff Minimums and Obstacle DP, Amdt 2  
San Antonio, TX, Stinson Muni, RNAV (GPS) RWY 32, Orig-B  
San Antonio, TX, Stinson Muni, VOR RWY 32, Amdt 14B  
Ladysmith, WI, Rusk County, RNAV (GPS) RWY 14, Orig-B

**Effective 28 February 2019**

Birmingham, AL, Birmingham-Shuttlesworth Intl, ILS OR LOC RWY 6, ILS RWY 6 CAT II, Amdt 43  
Birmingham, AL, Birmingham-Shuttlesworth Intl, ILS OR LOC RWY 24, ILS RWY 24 SA CAT II, Amdt 5  
Huntsville, AL, Huntsville Executive Tom Sharp Jr Field, ILS OR LOC RWY 18, Amdt 1C  
Huntsville, AL, Huntsville Executive Tom Sharp Jr Field, VOR-B, Amdt 7B  
Vernon, AL, Lamar County, RNAV (GPS) RWY 17, Orig-A  
Bentonville, AR, Bentonville Muni/Louise M Thaden Field, RNAV (GPS) RWY 36, Amdt 2A  
Camden, AR, Harrell Field, VOR/DME RWY 1, Amdt 10B, CANCELED  
Firebaugh, CA, Firebaugh, RNAV (GPS)-B, Orig-A  
Firebaugh, CA, Firebaugh, VOR-A, Amdt 4  
Half Moon Bay, CA, Half Moon Bay, RNAV (GPS) RWY 12, Amdt 1  
Half Moon Bay, CA, Half Moon Bay, RNAV (GPS) RWY 30, Amdt 1  
Half Moon Bay, CA, Half Moon Bay, RNAV (GPS) Y RWY 30, Orig, CANCELED  
Half Moon Bay, CA, Half Moon Bay, RNAV (GPS) Z RWY 12, Orig-B, CANCELED  
Laurel, DE, Laurel, RNAV (GPS)-A, ORIG-A

Apalachicola, FL, Apalachicola Regional, RNAV (GPS) RWY 18, Orig-B, CANCELED  
Apalachicola, FL, Apalachicola Regional, RNAV (GPS) RWY 36, Orig-B, CANCELED  
Immokalee, FL, Immokalee Rgnl, VOR RWY 18, Amdt 6B, CANCELED  
Jacksonville, FL, Cecil, TACAN RWY 9R, Orig-A, CANCELED  
Lakeland, FL, Lakeland Linder Intl, ILS OR LOC RWY 9, Orig-C  
Lakeland, FL, Lakeland Linder Intl, RNAV (GPS) RWY 5, Orig-F  
Lakeland, FL, Lakeland Linder Intl, RNAV (GPS) RWY 9, Amdt 2D  
Lakeland, FL, Lakeland Linder Intl, RNAV (GPS) RWY 23, Orig-D  
Lakeland, FL, Lakeland Linder Intl, RNAV (GPS) RWY 27, Amdt 2C  
Lakeland, FL, Lakeland Linder Intl, Takeoff Minimums and Obstacle DP, Amdt 1B  
Lakeland, FL, Lakeland Linder Intl, VOR RWY 9, Amdt 4E  
Lakeland, FL, Lakeland Linder Intl, VOR RWY 27, Amdt 7H  
Pensacola, FL, Pensacola Intl, NDB RWY 35, Orig-A  
St Petersburg-Clearwater, FL, St Pete-Clearwater Intl, VOR-B, Orig  
Titusville, FL, Space Coast Rgnl, ILS OR LOC RWY 36, Amdt 13  
Winter Haven, FL, Winter Haven Rgnl, RNAV (GPS) RWY 5, Amdt 1C  
Winter Haven, FL, Winter Haven Rgnl, RNAV (GPS) RWY 11, Orig-A  
Winter Haven, FL, Winter Haven Rgnl, Takeoff Minimums and Obstacle DP, Amdt 1A  
Winter Haven, FL, Winter Haven Rgnl, VOR-A, Amdt 7A  
Butler, GA, Butler Muni, RNAV (GPS) RWY 1, Amdt 2  
Butler, GA, Butler Muni, RNAV (GPS) RWY 19, Amdt 2  
Butler, GA, Butler Muni, Takeoff Minimums and Obstacle DP, Amdt 1A  
Washington, GA, Washington-Wilkes County, Takeoff Minimums and Obstacle DP, Orig-A  
Forest City, IA, Forest City Muni, RNAV (GPS) RWY 15, Orig-B  
Marshalltown, IA, Marshalltown Muni, RNAV (GPS) RWY 13, Amdt 1B  
Marshalltown, IA, Marshalltown Muni, RNAV (GPS) RWY 31, Amdt 1B  
Mason City, IA, Mason City Muni, ILS OR LOC RWY 36, Amdt 6H  
Mason City, IA, Mason City Muni, LOC BC RWY 18, Amdt 7C  
Pocahontas, IA, Pocahontas Muni, RNAV (GPS) RWY 30, Orig-E  
Sac City, IA, Sac City Muni, NDB RWY 36, Amdt 4B, CANCELED  
Sheldon, IA, Sheldon Rgnl, RNAV (GPS) RWY 33, Amdt 1C  
Spencer, IA, Spencer Muni, VOR RWY 30, Amdt 3C  
Casey, IL, Casey Muni, RNAV (GPS) RWY 4, Orig-A  
Chicago/West Chicago, IL, DuPage, RNAV (GPS) RWY 20R, Amdt 1G  
Bloomington, IN, Monroe County, RNAV (GPS) RWY 6, Orig-C  
Fort Wayne, IN, Fort Wayne Intl, VOR OR TACAN RWY 5, Amdt 20A  
Fort Wayne, IN, Fort Wayne Intl, VOR OR TACAN RWY 14, Amdt 17A  
Marysville, KS, Marysville Muni, RNAV (GPS) RWY 16, Orig-B  
Meade, KS, Meade Muni, RNAV (GPS) RWY 17, Orig-B  
Meade, KS, Meade Muni, RNAV (GPS) RWY 35, Orig-B  
Newton, KS, Newton-City-County, NDB RWY 35, Amdt 3, CANCELED  
St Francis, KS, Cheyenne County Muni, Takeoff Minimums and Obstacle DP, Orig-A  
Hazard, KY, Wendell H Ford, LOC RWY 14, Orig-C

Hazard, KY, Wendell H Ford, RNAV (GPS) RWY 14, Amdt 1C  
Hazard, KY, Wendell H Ford, RNAV (GPS) RWY 32, Orig-C

Hazard, KY, Wendell H Ford, VOR RWY 14, Amdt 1D  
Charlevoix, MI, Charlevoix Muni, RNAV (GPS) RWY 9, Amdt 1A  
Detroit, MI, Detroit Metropolitan Wayne County, ILS OR LOC RWY 21L, ILS RWY 21L SA CAT I, ILS RWY 21L SA CAT II, Amdt 13A  
Detroit, MI, Detroit Metropolitan Wayne County, RNAV (GPS) PRM Z RWY 4R (CLOSE PARALLEL), Amdt 1A  
Detroit, MI, Detroit Metropolitan Wayne County, RNAV (GPS) PRM Z RWY 22L (CLOSE PARALLEL), Amdt 1A  
Detroit, MI, Detroit Metropolitan Wayne County, RNAV (GPS) Z RWY 4R, Amdt 4A  
Detroit, MI, Detroit Metropolitan Wayne County, RNAV (GPS) Z RWY 21L, Amdt 4A  
Detroit, MI, Detroit Metropolitan Wayne County, RNAV (RNP) W RWY 4L, Orig  
Detroit, MI, Detroit Metropolitan Wayne County, RNAV (RNP) W RWY 21L, Orig-A  
Detroit, MI, Detroit Metropolitan Wayne County, RNAV (RNP) X RWY 3R, Orig-B  
Detroit, MI, Detroit Metropolitan Wayne County, RNAV (RNP) X RWY 21L, Orig-B  
Grand Haven, MI, Grand Haven Memorial Airpark, VOR-A, Amdt 16A, CANCELED  
Cook, MN, Cook Muni, RNAV (GPS) RWY 13, Orig-C  
Cook, MN, Cook Muni, RNAV (GPS) RWY 31, Amdt 1C  
Preston, MN, Fillmore County, RNAV (GPS) RWY 11, Orig-C  
Silver Bay, MN, Silver Bay Muni, NDB RWY 25, Orig-A, CANCELED  
Silver Bay, MN, Silver Bay Muni, RNAV (GPS) RWY 25, Orig-A, CANCELED  
Silver Bay, MN, Silver Bay Muni, Takeoff Minimums and Obstacle DP, Amdt 1, CANCELED  
St James, MN, St James Muni, NDB RWY 33, Amdt 1B, CANCELED  
Charleston, MO, Mississippi County, NDB RWY 36, Amdt 4B, CANCELED  
Festus, MO, Festus Memorial, RNAV (GPS)-A, Orig-A  
Kansas City, MO, Charles B Wheeler Downtown, Takeoff Minimums and Obstacle DP, Amdt 5  
St Louis, MO, Spirit of St Louis, RNAV (GPS) RWY 26L, Amdt 1  
St Louis, MO, Spirit of St Louis, RNAV (GPS) RWY 26R, Amdt 1  
Tupelo, MS, Tupelo Rgnl, ILS Z OR LOC Z RWY 36, Amdt 10A  
Chapel Hill, NC, Horace Williams, RNAV (GPS) RWY 9, Orig-B, CANCELED  
Chapel Hill, NC, Horace Williams, RNAV (GPS) RWY 27, Orig-B, CANCELED  
Chapel Hill, NC, Horace Williams, Takeoff Minimums and Obstacle DP, Amdt 3, CANCELED  
Chapel Hill, NC, Horace Williams, VOR RWY 27, Amdt 1D, CANCELED  
Mount Airy, NC, Mount Airy/Surry County, RNAV (GPS) RWY 36, Amdt 1A  
Pinehurst/Southern Pines, NC, Moore County, ILS Y OR LOC Y RWY 5, Orig-C  
Pinehurst/Southern Pines, NC, Moore County, ILS Z OR LOC Z RWY 5, Amdt 2C  
Siler City, NC, Siler City Muni, RNAV (GPS) RWY 4, Orig-B  
Washington, NC, Washington-Warren, RNAV (GPS) RWY 17, Amdt 1A, CANCELED  
Washington, NC, Washington-Warren, VOR/DME RWY 5, Amdt 3B, CANCELED  
Grand Forks, ND, Grand Forks Intl, RNAV (GPS) RWY 35L, Orig-B  
Cozad, NE, Cozad Muni, RNAV (GPS) RWY 31, Amdt 1B  
Manchester, NH, Manchester, ILS OR LOC RWY 17, Amdt 3A  
Old Bridge, NJ, Old Bridge, RNAV (GPS) RWY 6, Orig-B

Old Bridge, NJ, Old Bridge, RNAV (GPS) RWY 24, Orig-B  
East Hampton, NY, East Hampton, RNAV (GPS) Y RWY 28, Amdt 2  
East Hampton, NY, East Hampton, RNAV (GPS) Z RWY 28, Amdt 1

New York, NY, John F Kennedy Intl, RNAV (GPS) RWY 13R, Orig  
Sidney, NY, Sidney Muni, RNAV (GPS) RWY 7, Orig-E  
Marion, OH, Marion Muni, LOC/DME RWY 25, Orig-B, CANCELED  
Okmulgee, OK, Okmulgee Rgnl, ILS OR LOC RWY 18, Amdt 1B  
Tulsa, OK, Tulsa Intl, ILS OR LOC RWY 36R, ILS RWY 36R SA CAT I, ILS RWY 36R CAT II, Amdt 29G  
Lakeview, OR, Lake County, RNAV (GPS) RWY 17, Amdt 1  
Lakeview, OR, Lake County, RNAV (GPS) RWY 35, Amdt 1  
Philipsburg, PA, Mid-State, VOR RWY 24, Amdt 16C  
Pottstown, PA, Pottstown Muni, RNAV (GPS) RWY 26, Orig-A  
Pottstown, PA, Pottstown Muni, VOR-B, Amdt 5A  
Georgetown, SC, Georgetown County, NDB RWY 5, Amdt 6A, CANCELED  
Aberdeen, SD, Aberdeen Rgnl, ILS OR LOC RWY 31, Amdt 13A  
Aberdeen, SD, Aberdeen Rgnl, RNAV (GPS) RWY 31, Orig-B  
Aberdeen, SD, Aberdeen Rgnl, VOR RWY 13, Amdt 13B  
Aberdeen, SD, Aberdeen Rgnl, VOR RWY 31, Amdt 21A  
Spearfish, SD, Black Hills-Clyde Ice Field, RNAV (GPS) RWY 13, Orig-D  
Spearfish, SD, Black Hills-Clyde Ice Field, RNAV (GPS) RWY 31, Amdt 1  
Dickson, TN, Dickson Muni, NDB RWY 17, Amdt 3A  
Madisonville, TN, Monroe County, RNAV (GPS) RWY 5, Amdt 2C  
Springfield, TN, Springfield Robertson County, LOC RWY 4, Amdt 4  
College Station, TX, Easterwood Field, ILS OR LOC RWY 35, Amdt 14A  
College Station, TX, Easterwood Field, LOC BC RWY 17, Amdt 8A  
College Station, TX, Easterwood Field, RNAV (GPS) RWY 11, Amdt 1D  
College Station, TX, Easterwood Field, RNAV (GPS) RWY 17, Amdt 1C  
College Station, TX, Easterwood Field, RNAV (GPS) RWY 29, Amdt 1B  
College Station, TX, Easterwood Field, RNAV (GPS) RWY 35, Amdt 1C  
College Station, TX, Easterwood Field, Takeoff Minimums and Obstacle DP, Amdt 4A  
College Station, TX, Easterwood Field, VOR RWY 29, Amdt 14A  
Corsicana, TX, C David Campbell Field-Corsicana Muni, RNAV (GPS) RWY 14, Orig-C  
Dalhart, TX, Dalhart Muni, Takeoff Minimums and Obstacle DP, Orig-A  
Dallas, TX, Dallas Executive, RNAV (GPS) RWY 31, Amdt 1A  
Gainesville, TX, Gainesville Muni, RNAV (GPS) RWY 36, Amdt 1  
Sinton, TX, Alfred C 'Bubba' Thomas, VOR RWY 32, Amdt 9A, CANCELED  
Ellensburg, WA, Bowers Field, RNAV (GPS) RWY 25, Amdt 1A, CANCELED  
Ellensburg, WA, Bowers Field, Takeoff Minimums and Obstacle DP, Amdt 2C  
Tacoma, WA, Tacoma Narrows, NDB RWY 35, Amdt 8B, CANCELED  
Green Bay, WI, Green Bay-Austin Straubel Intl, ILS OR LOC RWY 6, Amdt 21D  
Madison, WI, Dane County Rgnl-Truax Field, RADAR-1, Amdt 18, CANCELED  
Sheboygan, WI, Sheboygan County Memorial, RNAV (GPS) RWY 13, Orig-B

Sheboygan, WI, Sheboygan County Memorial, VOR RWY 22, Amdt 9A, CANCELED  
Wausau, WI, Wausau Downtown, Takeoff Minimums and Obstacle DP, Amdt 6A  
Ravenswood, WV, Jackson County, RNAV (GPS) RWY 4, Orig-A

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